

## Task 41. International School :

→ **Student** : Serial number, Full name, Age, Gender, Date of Birth, Completion Certificate copy, School email, Division, Sibling Discount Percent, class name.

→ **Medical Report** : Report Id, weight, length, Diseases, Food Allergies, student serial number.

→ **Parent** : Parent id, Parent name, relationship.  $\begin{cases} \text{father} \\ \text{mother} \end{cases}$

→ **Teacher** : Teacher ID, Teacher name, Subject, Phone number, Email Address, monthly Salary, subject head id.

→ **Sibling** → Relationship Entity :

student1 serial number, st2 serial num



~~Student~~ Parent (Relationship Entity):

Student Serial number, Parent ID

→ Teacher class → (RF); Teacher ID, class name

\* Relationship analysis

1- Student ↔ medical report (1:1)

→ one student has exactly one medical report

→ one medical report belongs to exactly one student.

→ Relationship: "Has"

2- Student ↔ student (M: M)

Relationship: "Sibling-of"

3- Student ↔ Parent (M: M)

Relationship: "child of"



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Week 30

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Saturday

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2024

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July

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4. Student  $\leftrightarrow$  Class (M:1) $\hookrightarrow$  Relationship : Attends5. Teacher  $\leftrightarrow$  Teacher (1:M) $\hookrightarrow$  "Heads"6. Teacher  $\leftrightarrow$  Class (M:M) $\hookrightarrow$  Relationship : "Teachers"





